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Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Currently amended) The method of claim [[1]] 28, wherein the guide comprises a microbump adapted to be in substantial contact with a portion of the contact surface.
6. (Currently amended) The method of claim [[1]] 28, wherein the ~~notch~~ slot comprises a microbump adapted to be in substantial contact with a portion of the load bearing surface.

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7. (Currently amended) The method of claim ~~[[1]]~~ 28, further comprising the step of:

providing a seal between ~~a portion of the air circulation component and~~
~~a portion of the air circulation system~~ a portion of the filter housing
and a corresponding portion of the second frame member.

8. (Original) The method of claim 7, wherein the seal is at least one of the following: a pile seal, and a brush seal.

9. (Currently amended) The method of claim ~~[[1]]~~ 28, further comprising:

providing a gripping device associated with the air circulation component.

10. (Currently amended) The method of claim 9, wherein the gripping device comprises at least one of the following: at least one hole in the air ~~circulation component~~ filter, and an extension from the air ~~circulation component~~ filter.

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11. (Currently amended) The method of claim ~~[[1]]~~ 28, wherein the ~~air circulation component~~ filter comprises at least one of the following: a structural bracket adjacent to a structural component of an air circulation system, a structural component of the air circulation system, a non-structural component of the air circulation system.

12. (Canceled).

13. (Canceled).

14. (Canceled).

15. (Canceled).

16. (Currently amended) The ~~apparatus~~ filter of claim ~~[[12]]~~ 29, ~~wherein the notch comprises a microbump adapted to be in substantial contact with a portion of the load bearing surface~~ further comprising a microbump extending into said slot.

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17. (Currently amended) The ~~apparatus~~ filter of claim ~~[[12]]~~ 29,
further comprising:
a seal ~~between a portion of the housing and a portion of the air~~
circulation system located on said second side of said filter housing
and positioned such that when said filter is mounted on said first and
second structural members, said seal engages said second structural
member.

18. (Currently amended) The ~~apparatus~~ filter of claim 17, wherein
the seal is at least one of the following: a pile seal, or a brush seal.

19. (Currently amended) The ~~apparatus~~ filter of claim ~~[[12]]~~ 29,
further comprising:
a gripping device associated with the housing.

20. (Original) The ~~apparatus~~ filter of claim 19, wherein the gripping
device comprises at least one of the following: at least one hole in the housing,
and an extension from the housing.

21. (Canceled).

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22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (New) A method for mounting a filter in a gaseous flow,
comprising:

providing first and second structural members in spaced-apart relation,
said first structural member having a guide projecting therefrom and
angled generally downward and toward said second structural
member, and said second structural member having a support
surface located thereon;

providing a filter including a housing having opposed first and second
sides, a slot formed in said first side of said filter housing and
extending generally inward and downward, a load-bearing surface

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formed on said second side of said filter housing, and a filter medium supported by said filter housing; and engaging said filter with said first and second structural members such that said filter medium is disposed within said gaseous flow, said slot on said filter housing engaging said guide on said first structural member, and said load-bearing surface on said filter engaging said support surface on said second structural member, whereby said second side of said filter housing is biased against said second structural member.

29. (New) A filter for filtering a gaseous stream for mounting to first and second structural members, wherein said first structural member has a guide projecting therefrom and angled generally downward and toward said second structural member, and wherein said second structural member has a support surface located thereon, said filter comprising:

a filter housing having opposed first and second sides;
a slot formed in said first side of said filter housing and extending generally inward and downward, said slot being configured to receive said guide of said first structural member therein;
a load-bearing surface formed on said second side of said filter housing; and

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a filter medium supported by said filter housing and disposed in said gaseous stream;

wherein when said slot formed in said first side of said filter housing engages said guide projecting from said first structural member, a portion of the weight of said filter housing bears against said guide, and said support surface located on said second structural member contacts said load-bearing surface formed on said second side of said filter housing;

whereby said portion of said weight of said filter housing bearing on said angled guide causes said second side of said filter housing to be biased against said second structural member.

30. (New) An apparatus for filtering a gaseous flow, comprising:
first and second structural members in spaced-apart relation;
a guide projecting from said first structural member and angled generally downward and toward said second structural member;
a support surface located on said second structural member;
a filter housing having opposed first and second sides;
a slot formed in said first side of said filter housing and extending generally inward and downward;
a load-bearing surface formed on said second side of said filter housing; and

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a filter medium supported by said filter housing and disposed in a gaseous flow to be filtered;

wherein said guide projecting from said first structural member engages said slot formed in said first side of said filter housing such that a portion of the weight of said filter housing bears against said guide;

wherein said load-bearing surface formed on said second side of said filter housing contacts said support surface located on said second structural member; and

wherein said portion of said weight of said filter housing bearing on said angled guide causes said second side of said filter housing to be biased against said second structural member.

31. (New) The apparatus of Claim 30, further comprising means for directing said gaseous flow generally transverse to said first and second frame members.

32. (New) The apparatus of Claim 30, wherein said apparatus comprises a center of gravity, and wherein said slot defines an axis passing generally through said center of gravity.

33. (New) The apparatus of claim 30, further comprising a microbump extending into said slot.

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34. (New) The apparatus of claim 30, further comprising a seal located on said second side of said filter housing and positioned such that when said filter is mounted on said first and second structural members, said seal engages said second structural member.

35. (New) The apparatus of claim 34, wherein the seal is at least one of the following: a pile seal, or a brush seal.

36. (New) The apparatus of claim 30, further comprising a gripping device associated with the housing.

37. (New) The apparatus of claim 36, wherein the gripping device comprises at least one of the following: at least one hole in the housing, and an extension from the housing.